

MSG 152 - RED FD11 MISSION SUMMARY

Good morning Red!

Red FD11 has no surprises. We have only added an ERISTO feed 8 activity and a FES dump. The team enjoyed the replays of yesterday's crew choice downlink narrated by Ilan!

MEIDEX thanks the crew for successfully sending down the first live Xybian digital images during the Moon calibration yesterday. The dust forecast for today off the west coast of Africa is hopeful (knock on wood). We look forward to another great set of observations today. Analysis of the 15 SOLCON solar observations continues, and the last SOLSE polar view was a great success. CVX completed its 3rd critical period, and the latest LPT GPS navigation data indicates the best data yet!

BRIC continues to perform extremely well and would like to thank the RED TEAM for all the hard work. Ten of the fifteen total scheduled ops have been completed. Cool middeck temps are providing an ideal growing environment for the moss.

BIOPACK would like to thank everyone for all of their efforts. They believe they can still get good science for all of the remaining activities.

YOUR CURRENT ORBIT IS: 153 X 141 NM

NOTAMS:

EDWARDS (EDW) – LAKEBEDS RED/STANDING WATER
WHITE SANDS (NOR) – GREEN
KING KHALID (KKI) – 15R/33L CLOSED
NASSAU INTL (YNN) – RWY32 DISP THRESHOLD 3000 FT
LAJES (LAJ) - 15/33 LAST 2K OF ACTIVE RWY CLSD 0800-1900Z, 27 JAN-14 FEB
BEN GUERIR (BEN) – NOT RECOMMENDED
BANJUL (BYD) – NOT RECOMMENDED
MONROVIA (LRB) - NOT RECOMMENDED
TAMANRASSETT (ATT) - NOT RECOMMENDED
SOUDA (GSA) – NOT SUPPORTING
DYESS (DYS) – NOT USABLE

NEXT 2 PLS OPPORTUNITIES:

EDW04 ORB 161 10/00:51
EDW04 ORB 177 11/00:50

OMS TANK FAIL CAPABILITY:

L OMS FAILS: YES (SHALLOW TARGETS)
R OMS FAILS: YES (SHALLOW TARGETS)

LEAKING OMS PRPLT BURN:

L OMS LEAK: BURN OUT-OF-PLANE AN + 84 <= TIG <= AN + 47
R OMS LEAK: BURN OUT-OF-PLANE AN + 84 <= TIG <= AN + 48

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OMS QUANTITIES(%)

L OMS OX = 34.1 R OMS OX = 34.2
FU = 33.8 FU = 33.8

SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

DELTA V AVAILABLE:

OMS	279 FPS
<u>ARCS (TOTAL ABOVE QTY1)</u>	<u>34 FPS</u>
TOTAL IN THE AFT	313 FPS
ARCS (TOTAL ABOVE QTY2)	63 FPS
FRCS (ABOVE QTY 1)	32 FPS
AFT QTY 1	84 %
AFT QTY 2	46 %

THERE ARE NO FAILURE/IMPACT/WORK AROUNDS FOR TODAY.